AXIAL-FLOW® 5088, 6088 AND 7088

Combines

SERVICE MANUAL

84242798

CASE IH AGRICULTURE

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NOTE: *Engine repair information is not contained within this Service Manual. Refer to the Service Manuals for the 8.3 9L 6-Cylinder 24 Valve CNH Engine (5088 and 6088 Combines) and 9.0L Engine (7088 Combine).*

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ELECTRICAL SCHEMATIC POSTER - PIN Y8G000101 AND AFTER 87474621

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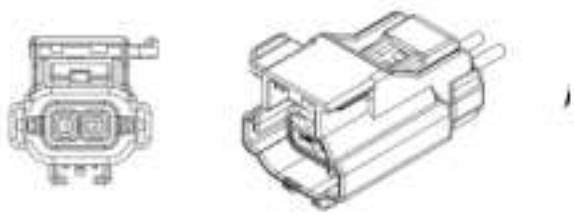
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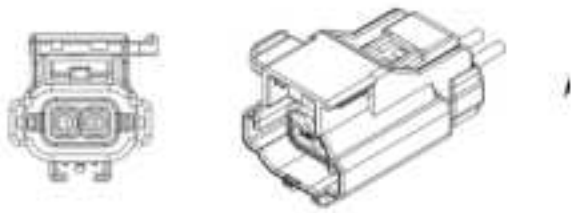
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CONNECTOR C193 - LOCATED RIGHT SIDE NEAR ROTOR LIMIT SWITCHES

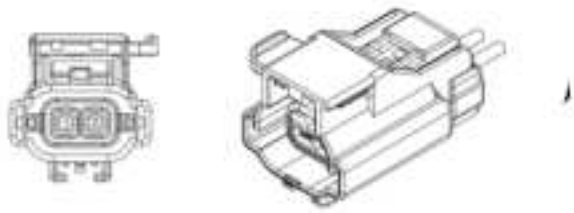
CONNECTOR C193		
RIGHT SIDE HARNESS TO RIGHT UNDERPANEL LIGHT HARNESS		
CAVITY	CIRCUIT ID	DESCRIPTION
1	323 PU	B+ TO LIGHTS
2	316-2 BK	GROUND TO LIGHTS



87382906

CONNECTOR C197 - RIGHT SIDE HARNESS TO ENGINE SERVICE LIGHT HARNESS

CONNECTOR C197		
RIGHT SIDE HARNESS TO SPREAD PATTERN CONTROL HARNESS		
CAVITY	CIRCUIT ID	DESCRIPTION
1	323-2 PU	B+ TO LIGHTS
2	316-4 BK	GROUND TO LIGHTS



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CONNECTOR C195 - LOCATED BEHIND GRAIN TANK TOWARDS RIGHT SIDE

CONNECTOR C195		
RIGHT SIDE HARNESS TO GRAIN TANK COVERS HARNESS		
CAVITY	CIRCUIT ID	DESCRIPTION
1	354 SL	GRAIN TANK COVERS CLOSE
2	353 WH	GRAIN TANK COVERS OPEN

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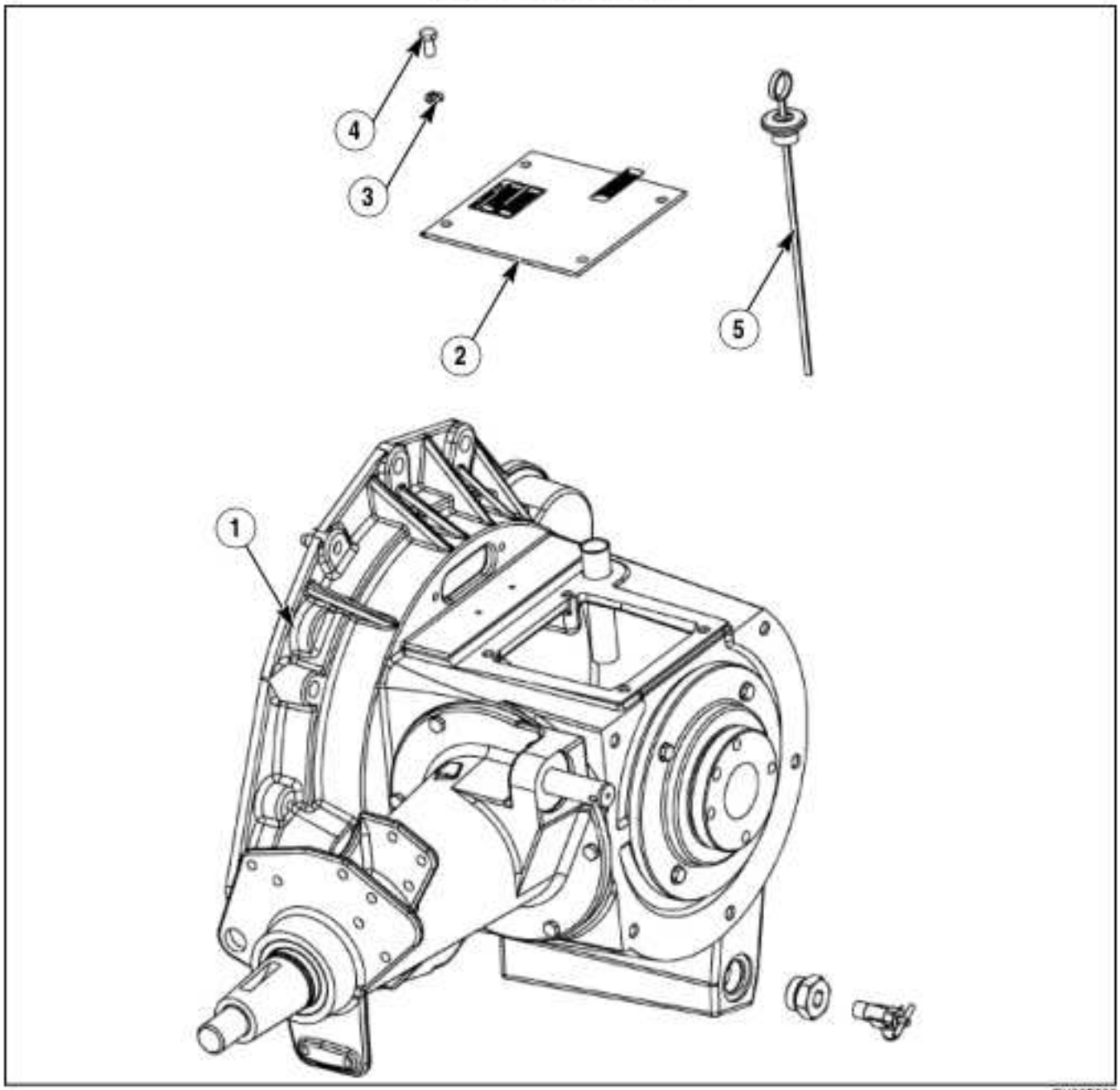
PTO HOUSING SERVICE

PTO Input Shaft Disassembly

STEP 1

1. Remove the PTO assembly from Combine, refer to Section 6065. Put the assembly in a clean work area.
2. Remove the pump drive pulley and housing. Remove the separator drive pulley.
3. Remove items 2, 3, 4 and 5. Clean the LOCTITE® from cover (2) and the cover mating surface of the PTO housing (1).

PTO and Separator Drive



RHDBF035

1. PTO HOUSING
2. COVER
3. WASHER
4. BOLT
5. DIPSTICK

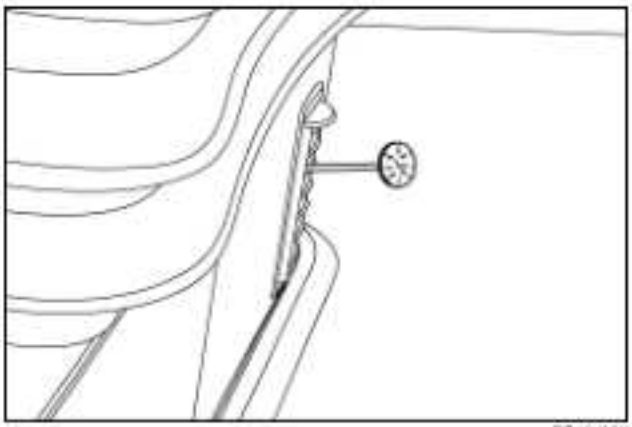
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CAB TEMPERATURE CHECK

Lower Louver Temperature

STEP 14

1. Make sure all cab discharge louvers and defroster louvers are open.
2. Make sure the blower control is set on maximum and the air conditioner temperature control is on maximum.
3. Record the ambient temperature and relative humidity away from the combine.
4. Put a thermometer in a lower louver under the operator seat and run the compressor for 15 minutes to make sure the system has stability (per conditions listed below chart).
5. Compare the thermometer reading and ambient temperature reading to the chart. If the reading is higher than the values in the chart:
   A. The heater control valve is not closing.
   B. The system may need refrigerant.
   C. There is a restriction in the system.
   D. The compressor is not operating.
   E. Evaporator air is bypassing the core. See Plenum Sealing.
   F. Thermal expansion valve malfunctioning.
6. Go A/C Troubleshooting for further internal troubleshooting.



RD39U177

Louver Temperature Chart

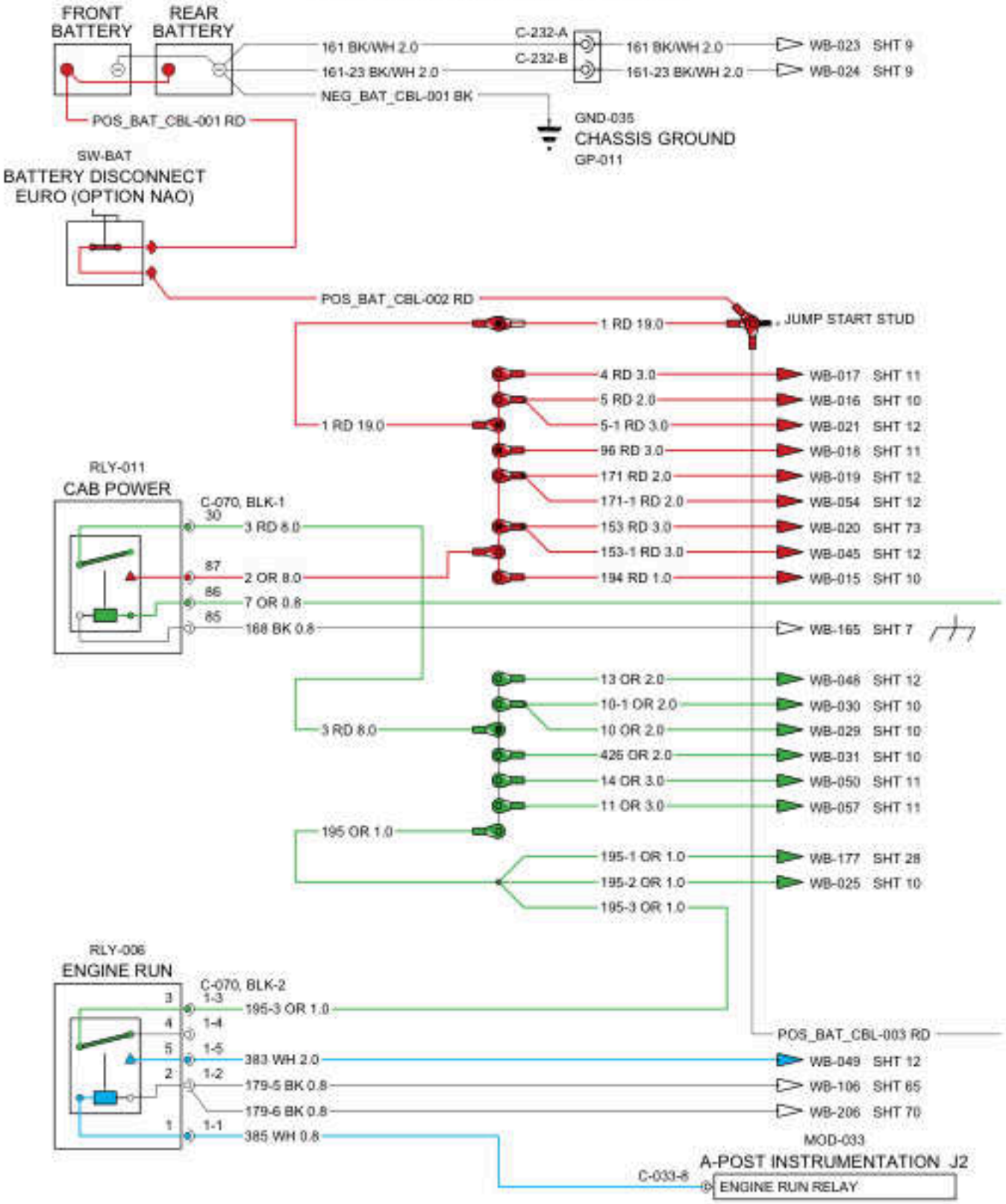
Ambient Temperature	Lower Louver Temperature*	
	Low RH	High RH
21°C (70°F)	11°C (53°F)	11°C (53°F)
27°C (80°F)	14°C (58°F)	15°C (58°F)
32°C (90°F)	17°C (62°F)	18°C (64°F)
38°C (100°F)	19°C (67°F)	21°C (70°F)
43°C (110°F)	22°C (72°F)	24°C (76°F)
49°C (120°F)	25°C (76°F)	27°C (81°F)

* Temperatures shown are highest normal temperatures expected; actual louver temperatures may be cooler.

The louver temperature chart is based on the following conditions: (1) Engine operating at 1500 RPM, (2) No engine load, (3) Highest blower speed setting, (4) Doors closed, (5) Air conditioner temperature control switch set to maximum cooling, (6) Air conditioner set to DEFOG/DEFROST mode, (7) Cab filters clean, installed and unobstructed. (8) Temperature reading taken 15 minutes after start up. (9) Engine panels and rotor belt compartment door in place. (10) Heater valves (supply and return) closed at the engine.

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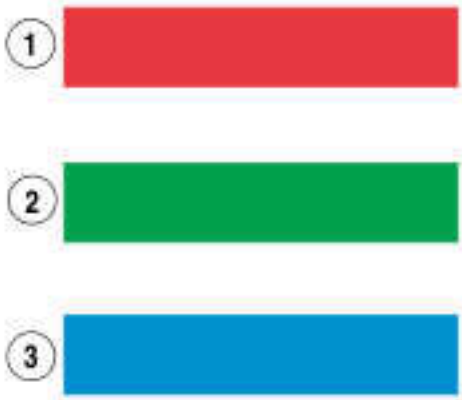
POWER DISTRIBUTION



SHEET 5

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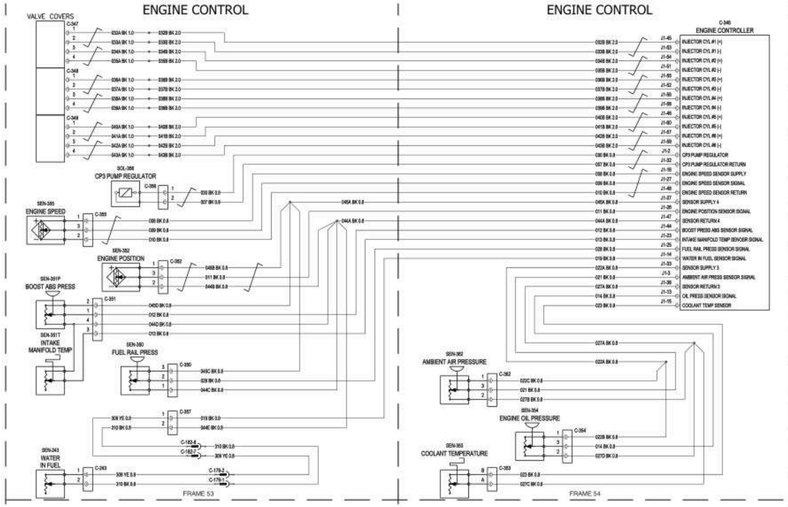
SCHEMATIC COLOR LEGEND



1	RED INDICATES CONSTANT POWER
2	GREEN INDICATES POWER WHEN KEY SWITCH IS ON
3	BLUE INDICATES POWER WHEN ENGINE IS RUNNING

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ENGINE CONTROL

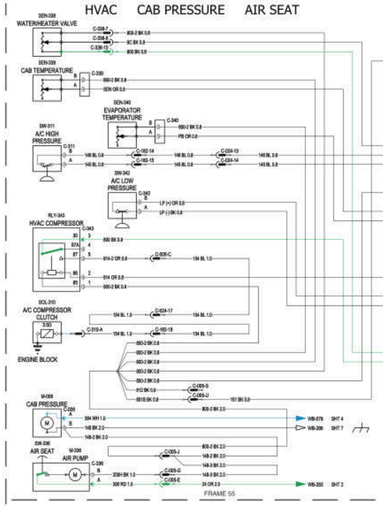


FRAME 53

ENGINE CONTROL

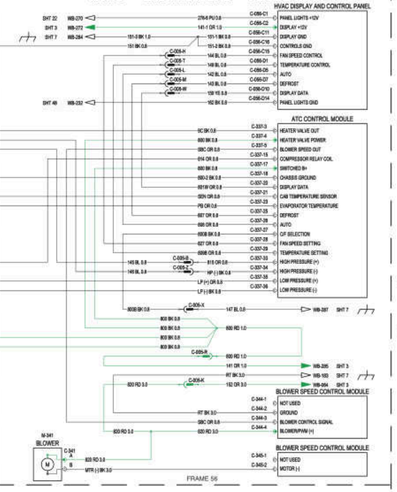
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HVAC CAB PRESSURE AIR SEAT



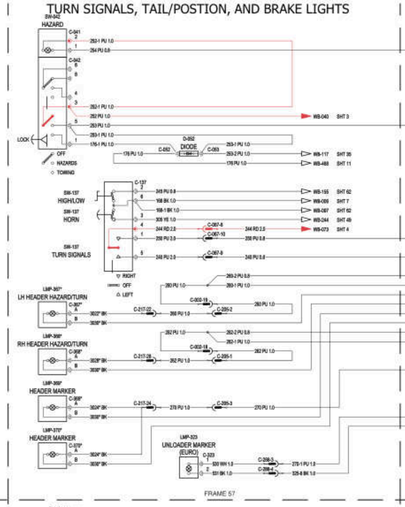
FRAME 55

HVAC CAB PRESSURE AIR SEAT



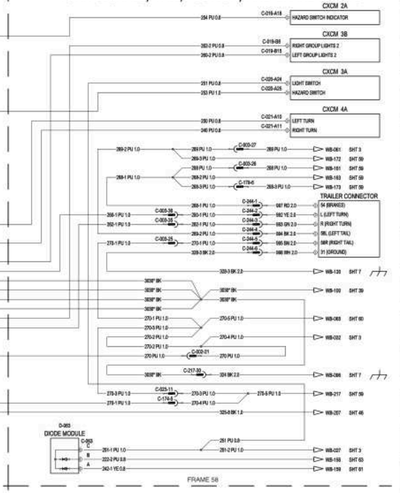
FRAME 56

TURN SIGNALS, TAIL/POSTION, AND BRAKE LIGHTS



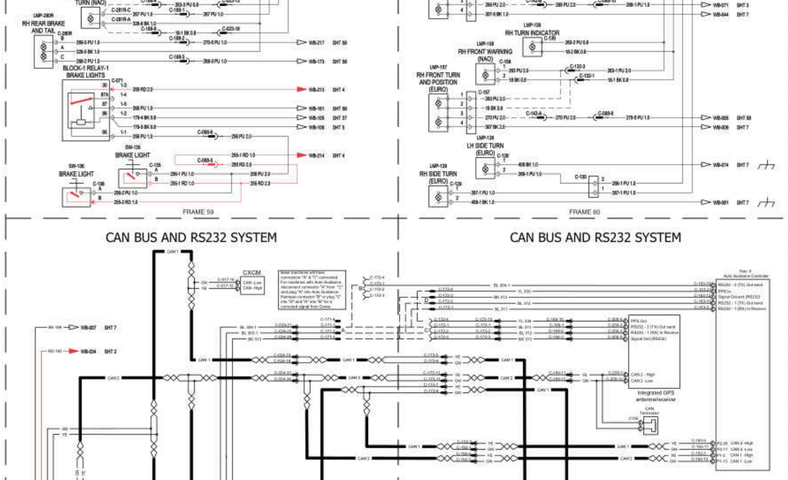
FRAME 57

TURN SIGNALS, TAIL/POSTION, AND BRAKE LIGHTS



FRAME 58

TURN SIGNALS, TAIL/POSTION, AND BRAKE LIGHTS

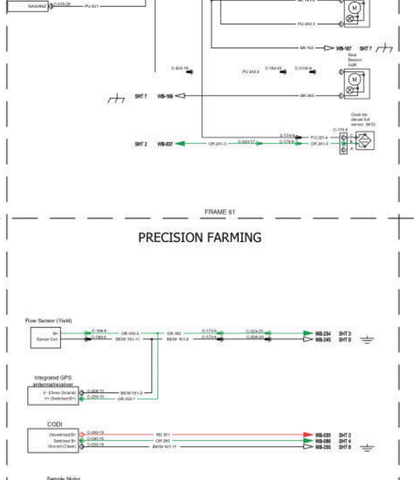


FRAME 59

TURN SIGNALS, TAIL/POSTION, AND BRAKE LIGHTS

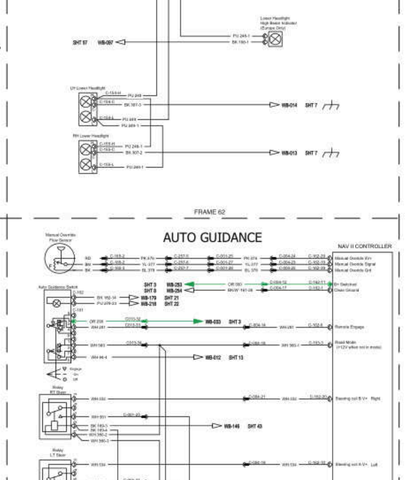
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BEACON LIGHTS



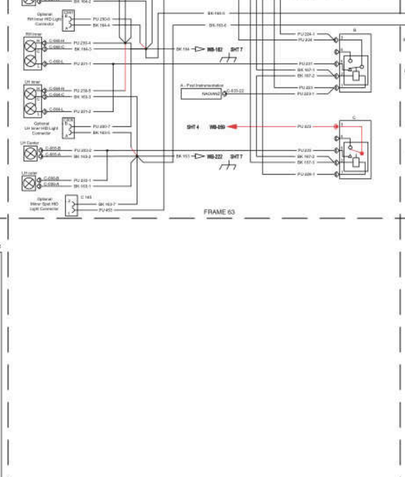
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EUROPEAN HEADLIGHTS



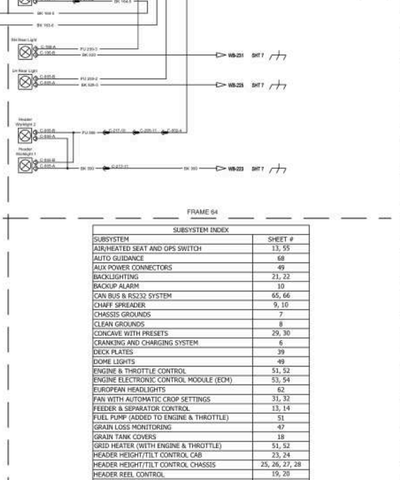
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FRONT ROOF WORK LIGHTS



FRAME 63

REAR, SIDE AND HEADER WORK LIGHTS



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CAN BUS AND RS232 SYSTEM

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CAN BUS AND RS232 SYSTEM

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